

Postdoctoral fellow in cancer biology (M/F)

Informations Générales

Durée CDD 12 month Tentative start date : 01/09/2026
With extension : ☒ OUI ☐ NON

Temps de travail Full time

Rémunération • From 2939 € / month commensurate with experience.

Description du poste

A propos de l'équipe

The team was created at the end of 2020 within the Cancer Research Center of Lyon (CRCL). It consists of 2 PhD students, 2 postdoctoral researchers and 2 research assistants, and benefits from an adequate level of funding.

The "Adhesion and Signaling in Metastatic Melanoma" research team is committed to uncovering new vulnerabilities of cancer cells through a better understanding of the mechanisms of tumor initiation and progression. To define the external cues that drive the dissemination capacities of cancer cells, we performed a large-scale genetic screen in a model of primary melanoma in zebrafish. We have thus identified several new drivers of cancer cell spreading in vivo. However, their molecular mode of action remains to be determined. The goal of this postdoctoral fellowship is to characterize the role of the top screen hit in melanoma metastasis by combining mechanistic studies in human melanoma cell lines with powerful genetic manipulation techniques in zebrafish and analyses in clinical samples. The long-term objective of our research is to convert molecular insights into innovative therapies against aggressive cancers.

Missions et activités principales

The goal of this postdoctoral fellowship is to characterize the molecular mode of action of a novel regulator of melanoma dissemination.

The successful candidate will work under the direction of the team leader, Julien Ablain, and will:

- Participate in project design;
- Develop and optimize experimental procedures;
- Perform experiments;
- Analyze and communicate data;
- Supervise students and technical staff.

The techniques used may cover all areas of genetics, cellular and molecular biology and biochemistry. They will include genetic manipulations (RNA interference, CRISPR),

transcriptomic and proteomic approaches, protein analysis (immunolabeling, Western blot, immunoprecipitation, purification), imaging (real-time and/or high-resolution confocal microscopy) and pharmacological studies in both zebrafish and human cells. The successful candidate will also implement all methods related to the use of zebrafish models.

**Compétences
spécifiques au
poste**

- Background in cancer biology appreciated;
- Mastery of cell culture techniques;
- Basic methods in genetics, molecular and cell biology, and biochemistry.

Aptitudes

- Motivation, autonomie, rigueur, créativité ;
- Sens de la communication et du travail en équipe ;
- Excellent niveau en anglais (écrit et oral).

**Niveau de
diplôme et
formation(s)**

- PhD or equivalent
- Training in animal experimentation preferred (but knowledge of zebrafish not required).

**Expérience(s)
souhaité(s)**

- Experience in cancer biology, genetics, molecular biology, cell biology or biochemistry.

Modalités de candidature

**Date limite de
candidature**

12/07/2026

Contact

Please email motivation letter, CV and contact information of at least 2 references to julien.ablain@lyon.unicancer.fr

Structure d'accueil

A propos du CRCL

The Cancer Research Center of Lyon (CRCL, directed by Dr. Mehlen, www.crcl.fr) is a research unit accredited by Inserm, CNRS, Université Claude Bernard Lyon 1 and the Centre Léon Bérard. Comprising 25 teams and 13 technological platforms, its activities are dedicated to the study of cancer biology.

Directeur

Dr Patrick MEHLEN

Equipe

Julien ABLAIN - Adhesion and Signaling in Metastatic Melanoma

Adresse

CRCL - Centre Léon Bérard - 28 rue Laennec - 69373 Lyon cedex 08

Pour en savoir +

www.crcl.fr